SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Fiscal Year 2024

Cooperative Funding Initiative Applications

Heartland Region

Southwest Florida
Water Management District

Project Name	SWF Project Number	Total Funding
Brackish - Polk Regional Water Cooperative West Polk Wellfield	Q308	$107,052,000.00
Brackish - PRWC Test Production Well #2 - West Polk Wellfield	Q309	$2,062,500.00
Crystal Lake Sediment Restoration Implementation	Q363	$300,000.00
Haines City Lake Eva Aquifer Recharge and MFL Recovery	Q303	$2,953,500.00
Irrigation System Evaluation Program - Phase 8	Q371	$145,000.00
Lake Bonny Island Wetland Restoration	Q372	$226,500.00
Lake Hancock Watershed Management Plan	Q373	$1,250,000.00
Lake Parker Shoreline Restoration	Q375	$32,000.00
Pompano Dr - Carter Creek Watershed BMP Site 4	Q384	$308,590.00
PRWC Regional Transmission Southeast Phase 1	Q216	$76,013,000.00
PRWC Southeast Wellfield Implementation	Q184	$110,940,000.00
South of Lake Lotela - Carter Creek Watershed BMP Site 6	Q386	$78,046.00
Sun 'N Lake boulevard - Carter Creek Watershed BMP Site 2	Q388	$767,187.00
Water Quality Treatment Improvement - Lake Eva	Q393	$2,000,000.00
Overall - Total		**$304,128,323.00**

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Brackish - Polk Regional Water Cooperative West Polk Wellfield

Project Number: Q308

Cooperator: Polk Regional Water Cooperative

Contact Person: Kathleen Gierok

Department:

Address: 601 S. Lake Destiny Drive, Suite 290

Phone #: 4077102840

City State Zip: Maitland, FL 32751

Ext:

Email: kathleen.gierok@wright-pierce.com

Project Type:

Water Supply

Strategic Initiatives:

Alternative Water Supply

Project Description/Benefit/Cost

Description:

The member governments in the Polk Regional Water Cooperative (PRWC) are facing an estimated water deficit of 9.8 million gallons per day (MGD) by the year 2030 and an estimated 23.0 MGD deficit in 2045. For the past four years, the PRWC has been actively developing alternative water supply sources to augment its traditional water supply source, the upper Floridan aquifer. The PRWC developed a preliminary planning-level document prioritizing five "nominated" alternative water supply projects including the Southeast lower Floridan aquifer (LFA) Wellfield (SE), West Polk LFA Wellfield (WP), Peace Creek (PC), Peace River and Land Use Transitions (PR), and Alafia River (AR) projects through cooperative funding agreements N447 and N448. Of these projects, the PRWC has developed planning-level and/or preliminary design documents for the four candidate projects: the SE, WP, PC, and PR projects. These efforts were completed through the Phase 1 Combined Projects Implementation Agreement, which was cooperatively funded with the SWFWMD as follows:
1. Southeast Wellfield (N905) - includes conceptual and preliminary design
2. West Polk Lower Floridan Aquifer (N882) - includes conceptual and preliminary design
3. Peace Creek Integrated Water Supply Plan (N928) - includes preliminary design and integrated water supply plan
4. Peace River and Land Use Transitions (Q133) - includes conceptual planning and water supply availability

The SE and WP projects will be included in the Final Design and Construction Implementation Agreements, which include design and construction based on the preliminary design performed in Phase 1. The PRWC has identified the final design and construction phasing for these projects and is requesting funding assistance in support of the final design and construction of the WP project. The WP project is located west of Lake Parker in northwest Polk County. The PRWC has submitted a Water Use Permit application to the Southwest Florida Water Management District (SWFWMD) for a groundwater withdrawal of 20 MGD for the project. This permit would support a finished water supply of 10 MGD initially, with an ultimate water supply production of 15 MGD. The 10 MGD water production facility is planned to be expanded in three phases, beginning with the 2.5 MGD initial phase, and a master planned potential expansion of 15 MGD. The PRWC has completed the conceptual design and preliminary design for the WP project. The preliminary design for this project was approved for CFI funding for FY 2021. The WP preliminary design includes a 2.5 MGD reverse osmosis water production facility and transmission system to PRWC member utilities with a buildout capacity of 10 MGD. The WP WPF will send treated water to Lakeland's TB Williams Water Treatment Plant for chemical post-treatment and finished water distribution. Therefore, the majority of PRWC members participating in the WP project will receive water to their systems through Lakeland's existing distribution system. This allows the transmission main facilities for this project to be significantly reduced, with only minor piping additions needed. Additional funding requested under this application would build upon the previous funding efforts (N882), starting with the final design of the WP project. The project includes construction of a water production facility (WPF), wellfield and raw water transmission main to the WTP, concentrate disposal well(s), and finished water transmission mains.

Benefit:

Water obtained from this alternative supply project will be used by PRWC project partners to reduce stress on the upper Floridan aquifer (UFA). The project will improve surface waters and wetlands currently impacted by withdrawals from the UFA. The project was also identified within the CFWI 2020 regional water supply plan as a potential future water supply solution.

Cost:

The projected costs for the final design and construction of the PRWC West Polk Wellfield project are outlined below. These costs represent design, engineering, administration, CMAR services, construction, construction engineering, post-construction services, future planning and future phase costs. Costs for the first phase of the project have been apportioned into FY 2022 through FY 2028. Costs for the remaining phases of the project through buildout have been apportioned as "Future Costs". These costs

represent the total eligible costs to be cooperatively funded by the District. This excludes inflationary cost increases, land, legal fees/financial services, and exploratory Test Projection Well #2 costs. It is anticipated that the District would provide funding for 50% of the costs presented below. As this project moves forward, subsequent CFI applications will be provided through the same funding agreement. A breakdown of the individual component costs is attached in the document section.

Fiscal Year 2022 - $0
Fiscal Year 2023 - $2,128,616
Fiscal Year 2024 - $22,600,000
Fiscal Year 2025 - $31,964,284
Fiscal Year 2026 - $31,093,550
Fiscal Year 2027 - $31,093,550
Future Costs - $95,224,000
Total - $214,104,000

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The PRWC and its members are considering a mix of activities to achieve compliance with the guidelines set forth by the CFWI. The members provide information on their individual water conservation programs through their individual water use permitting. The PRWC has previously partnered with SWFWMD and IFAS to develop a demand management plan to provide water conservation strategies throughout Polk County. The PRWC continues to work with its members on ways for the members to individually and collectively implement effective water conservation strategies and programs. This mix of activities being considered include but are not limited to conservation efforts to be achieved by rates, Water Star, and incentive programs along with more holistic approaches to save water. Another way that the use of potable water can be offset is by the more effective use of highly treated wastewater (reuse water).

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	1,064,308	11,300,000	94,687,692	107,052,000
District Share	0	1,064,308	11,300,000	94,687,692	107,052,000
Total	**0**	**2,128,616**	**22,600,000**	**189,375,384**	**214,104,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Design and Permitting	11/26/25
CMAR Pre-Construction Services, Construction Bidding, and Award of Contracts	2/24/26
Construction and Construction Engineering Services and Substantial Completion	6/30/28
As-Built Survey, Record Drawings, Asset Management Plan, and Operating Protocol	12/31/28
Project Buildout	9/30/40

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Brackish - PRWC Test Production Well #2 - West Polk Wellfield

Project Number: Q309

Cooperator: Polk Regional Water Cooperative

Contact Person: Kathleen Gierok

Department:

Address: 601 S. Lake Destiny Drive, Suite 290

Phone #: 4077102840

City State Zip: Maitland, FL 32751

Ext:

Email: kathleen.gierok@wright-pierce.com

Project Type:

Water Supply

Strategic Initiatives:

Alternative Water Supply

Project Description/Benefit/Cost

Description:

The member governments in the Polk Regional Water Cooperative (PRWC) are facing an estimated water deficit of 9.8 million gallons per day (MGD) by the year 2030 and an estimated 23.0 MGD deficit in 2045. For the past four years, the PRWC has been actively developing alternative water supply sources to augment its traditional water supply source, the upper Floridan aquifer. The PRWC developed a preliminary planning-level document prioritizing five "nominated" alternative water supply projects including the Southeast lower Floridan aquifer (LFA) Wellfield (SE), West Polk LFA Wellfield (WP), Peace Creek (PC), Peace River and Land Use Transitions (PR), and Alafia River (AR) projects through cooperative funding agreements N447 and N448. Of these projects, the PRWC has developed planning-level and/or preliminary design documents for the four candidate projects: the SE, WP, PC, and PR projects. These efforts were completed through the Phase 1 Combined Projects Implementation Agreement, which was cooperatively funded with the SWFWMD as follows:
1. Southeast Wellfield (N905) - includes conceptual and preliminary design
2. West Polk Lower Floridan Aquifer (N882) - includes conceptual and preliminary design
3. Peace Creek Integrated Water Supply Plan (N928) - includes preliminary design and integrated water supply plan
4. Peace River and Land Use Transitions (Q133) - includes conceptual planning and water supply availability

The SE and WP projects will be included in the Final Design and Construction Implementation Agreements, which include design and construction based on the preliminary design performed in Phase 1. Through the SWFWMD third-party review process during the development of the WP project, it was agreed that there is a need for more knowledge on the yield and raw water quality of the lower Floridan aquifer (LFA) in Polk County, which is the source of water for the WP project. Aquifer performance testing was performed in November 2019 for one test production well (TPW #1) in the WP Wellfield. The purpose of this application is to request continued funding for a second exploratory test production well (TPW #2) in the WP Wellfield.

Benefit:

This well will provide additional insight and/or confirmation on the water quality, yield capacities, and hydrogeological characteristics of the WP Wellfield. TPW #2 is anticipated to be located at the westernmost well site for Phase 1 of the PRWC West Polk Wellfield project, and southeast of Interstate 4, to provide a range of conditions within the proposed WP Wellfield alignment. Information gathered from APT testing will be used during final design of the WP project to confirm or modify the treatment process developed during preliminary design. As the available information on the LFA as a water supply source is limited, this additional test well will provide valuable insight to confirm the treatment process for PRWC's WP project. TPW #2 is intended to be transitioned into a permanent production well for the WP Water Production Facility. If the proposed wellfield alignment is found to have lower yields or more difficult water quality based on the aquifer performance testing, this well will be provided to the SWFWMD as a permanent monitoring well of the area.

Cost:

The projected costs for the final design and construction of the WP Wellfield TPW #2 are outlined below. These costs represent design, engineering, administration, and construction. This cost estimate excludes land and land/easement acquisition fees. All costs are rounded to the nearest thousand dollars.

Fiscal Year 2023 - $2,456,000
Fiscal Year 2024 - $1,669,000
Total - $4,125,000

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and

flood protection ordinances.

The PRWC and its members are considering a mix of activities to achieve compliance with the guidelines set forth by the CFWI. The members provide information on their individual water conservation programs through their individual water use permitting. The PRWC has previously partnered with SWFWMD and IFAS to develop a demand management plan to provide water conservation strategies throughout Polk County. The PRWC continues to work with its members on ways for the members to individually and collectively implement effective water conservation strategies and programs. This mix of activities being considered include but are not limited to conservation efforts to be achieved by rates, Water Star, and incentive programs along with more holistic approaches to save water. Another way that the use of potable water can be offset is by the more effective use of highly treated wastewater (reuse water).

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	1,228,000	834,500	0	2,062,500
District Share	0	1,228,000	834,500	0	2,062,500
Total	**0**	**2,456,000**	**1,669,000**	**0**	**4,125,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Well Design, Permitting and Bidding	1/31/24
Well Construction, Testing and Field Geologist Services	2/28/25
Data Analysis, Modeling, Report Preparation	3/28/25

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Crystal Lake Sediment Restoration Implementation

Project Number: Q363

Cooperator: City of Lakeland

Contact Person: Laurie Smith

Department:

Address: 407 Fairway Avenue

Phone #: 8638346276

City State Zip: Lakeland, FL 33801

Ext:

Email: Laurie.Smith@lakelandgov.net

Project Type:

Natural Systems, Water Quality

Strategic Initiatives:

Natural Systems Conservation and Restoration

Water Quality Maintenance and Improvement

Project Description/Benefit/Cost

Description:

This cooperative funding request from the City of Lakeland (City) is for implementation of a targeted in-lake sediment restoration/treatment project to improve water quality and natural systems in Crystal Lake in Lakeland, FL. The feasibility/pilot phase of the project was completed as part of a previous CFI grant (Cooperative Funding Project Q178) during FY21 and FY22. This effort included the development and pilot-scale implementation of a conceptual project, which included data collection for refined project cost-benefit. This FY24 funding request is to support implementation of the full-scale sediment restoration project to meet the numeric nutrient criteria (NNC) for the lake within the remaining timeframe based on the results of the feasibility study. Crystal Lake is verified impaired (per FDEP 3030(d) list) for total phosphorus (TP), total nitrogen (TN), and chlorophyll-a, and has regularly documented harmful algal blooms (HABs). The USEPA established a Total Maximum Daily Load (TMDL) that includes a nutrient reduction from benthic flux (i.e. internal loading) as part of the 1998 consent decree. However, the lake was designated as a 4e waterbody by the Florida Department of Environmental Protection (FDEP) with an approved Pollutant Reduction Plan, which defers the TMDL for 5 years. This places the lake on a critical timeline to meet NNC via well-planned and effective restoration projects to avoid a TMDL. Previous studies completed by the City found that Crystal Lake is phosphorus limited with sediment nutrient cycling contributing approximately 90% of the total nutrient loads to the lake. Sediment management such as chemical inactivation is required to reduce internal nutrient cycling from the highly organic nutrient-laden sediments to prevent HABs. The FY21 project tested two chemical inactivation products, Virophos and Phoslock, in Crystal Lake through an in situ experimental design that utilized limnocorrals. Comparisons of TP concentrations in the treatment and control limnocorrals between untreated and post-application events demonstrated statistically significant TP reductions for both amendments. Compared to the control, Virophos application reduced TP concentrations by approximately 81% over the study period, while Phoslock application reduced TP concentrations by approximately 74% over the study period. Several additional natural systems benefits are also expected when this project is implemented such as reestablishment of submerged aquatic vegetation after the water column is no longer dominated by HABs, providing improved water clarity and other water quality benefits such as vegetation-mediated nutrient attenuation as well as improved habitat for fish and wildlife. Land control/ownership and long-term operation and maintenance are not required to implement this project. The City is also partnering with Polk County to complete other nutrient source control best management practices (BMPs) outside of this funding request, including increased street sweeping cycles and improvements to existing stormwater treatment BMPs within the Crystal Lake drainage basin to further reduce incoming stormwater derived nutrient loads and to optimize the potential effectiveness of the sediment restoration project. The FY24 project is consistent with the District's Strategic Initiative for Water Quality Maintenance and Improvement; and the District's Regional Priorities for the Heartland Region – to implement water quality projects in priority water bodies to move closer to established water quality standards. The City has funding secured for this project and this project is the City's #1 ranked CFI project. Crystal Lake is a top priority water body for the City in terms of improving water quality and meeting NNCs established by the FDEP as outlined in the City's National Pollutant Discharge Elimination System (NPDES) permit and FDEP approved Nutrient Reduction Plan (2020) and TMDL Prioritization Plan (2022).

Benefit:

Project Benefit: The Resource Benefit of this project is to improve water quality and natural systems through targeted sediment restoration/treatment leading to significant nutrient load reductions that will reduce harmful algal blooms and meet NNC established by FDEP. Assessments from the feasibility phase estimates water column TP concentrations were decreased by 74% (Phoslock amendment) to 81% (Virophos amendment). Concomitant decreases in total suspended solids and increased light attenuation would improve water clarity and promote expansion of submerged native beneficial aquatic vegetation in the lake, resulting in improved habitat for fish and other wildlife. Crystal Lake has a publicly accessible fishing pier and boat ramp for recreational purposes. Additionally, Crystal Lake STEM Middle School is located just northwest of the lake, where science class students access the lake for learning about freshwater ecology.

Measurable Benefit: The contractual Measurable Benefit will be implementation of the sediment restoration project, which includes targeted application of Phoslock to sediment hot spots in the lake to reduce internal loading of TP by approximately 2,200 lbs/year.

Cost:

The total project cost for implementing the sediment inactivation project is estimated at $400,000 with the District and the City each contributing half of the total cost ($200,000). The cost-effectiveness of the project for TP removal is estimated to be $181/lb/yr, which is amortized over a 20-year period to approximately $9/lb. The costs include project design, permitting, project management, implementation of full-scale treatment, effectiveness monitoring, and reporting. To date, over $420,000 will be invested to improve water quality in Crystal Lake, where the City and their partner Polk County spent over $260,000 on the first three phases to assess nutrient sources to the lake and conduct a pilot feasibility project.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The City of Lakeland maintains a continued commitment to stormwater management. The City adopted a stormwater utility in December 1999 to provide a dedicated funding source for operation and maintenance of the City's stormwater system, pollution abatement devices and lake improvement and restoration projects. The stormwater utility fee is $9.72 per month for single- family residential customers. Mobile homes and attached multi-living residential units are assessed $6.52 and $5.79 per month, respectively. Fees for non-residential customers are based on the amount of impervious (pavement, roofs, sidewalk) area on the property. These customers are assessed a monthly rate of $9.72 per 5,000 square feet of impervious area. The City provides a robust street sweeping program which operates six street sweepers that maintain 551 lane miles of curbed street. In one year these street sweepers have cleaned the equivalent of 18,787 miles of streets and collected 2,555 tons of debris. The street sweeper vehicles are wrapped with eye-catching graphics to help educate the community about pollution prevention featuring the Toby's Water Warriors campaign, a professionally developed public education program featuring Toby the Turtle and his wildlife friends. The Toby's Water Warriors feature in more than 30 lakeside educational signage and five educational public service advertisements for the Lakes & Stormwater program that play at multiple Lakeland movie theaters and on family friendly cable TV channels that reach tens of thousands of residents annually. City codes prohibit the placement or deposition of compost, brush, grass, etc. in or on any City street. Fines may cost up to $500.00 per incident.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	139,000	0	200,000	0	339,000
District Share	100,000	0	200,000	0	300,000
Total	**239,000**	**0**	**400,000**	**0**	**639,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Execute Agreement	12/30/23
Product Application	4/1/24
Project Design, Permitting, and Management	9/30/24
Reporting	9/30/24
Project Close-out	12/31/24

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Haines City Lake Eva Aquifer Recharge and MFL Recovery

Project Number: Q303

Cooperator: Haines City

Contact Person: James Keene

Department:

Address: 620 East Main Street

Phone #: 8634219954

City State Zip: Haines City, FL 33844

Ext:

Email: jkeene@hainescity.com

Project Type:

Natural Systems, Water Supply

Strategic Initiatives:

Minimum Flows and Levels Recovery

Reclaimed Water

Project Description/Benefit/Cost

Description:

Third-party review (TPR), design, permitting, and construction of a system of rapid infiltration basins (RIBs), approximately 5,700 feet of reclaimed water transmission mains, control valves and associated instrumentation, and other necessary appurtenances. Recharge from the RIB facility will help restore minimum lake levels (MLLs) in the “Ridge Lakes” area of the Central Florida Water Initiative (CFWI) region and Southern Water Use Caution Area (SWUCA). This is a follow-up project to N888, Haines City Reclaimed Water MFL Recharge & Advanced Treatment Feasibility and implements the selected project option. District funding in FY2022 included preliminary design and TPR. District funding in FY2023 includes final design and permitting. The requested FY 2024 District funding request is for construction of the RIB facility, associated transmission mains, instrumentation, control valves, and appurtenances.
The Phase 1 Lake Eva Feasibility Study narrowed down recharge options for lake level restoration. Phase 2 of the Lake Eva Feasibility Study, detailed analyses, including groundwater modeling, were performed to estimate the resulting water level increases compared to the violated Minimum Lake Level (MLL) in Lake Eva. Phase 3 includes development of a preliminary design report (PDR) for the project (including 30% design drawings) that will memorialize the conceptual design of the RIBs and associated piping/appurtenances in preparation for Third Party Review. Phase 4 will include development of the 60%, 90% and 100%/Issued for Bid drawings and technical specifications; permitting will be completed after 30% drawings and specifications are developed. Phase 5 will include construction of the RIB facility, associated transmission mains, instrumentation, control valves, and appurtenances.

Benefit:

The contractual Measurable Benefit will be the supply and utilization of 0.60 million gallons per day (mgd) of reclaimed water for aquifer recharge to improve water levels in the "Ridge Lakes" area of the CFWI and the SWUCA. Construction will be done in accordance with the permitted plans.

Cost:

Total project cost: $6,735,000 (design, permitting, construction, and third party review)
City of Haines City: $3,781,500
District: $2,953,500 with $656,000 budgeted in previous years, $1,838,000 requested for FY2024, and $459,500 anticipated to be requested in future years.
These amount represent an increase in construction cost over the original submission due to construction cost inflation; based on District guidance, all cost increases have been allocated to the City co-share portion.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

This project is consistent with the District's Water Quality Maintenance and Improvement strategic initiative, Comprehensive Watershed Management Initiative (CWM) for Lake Wales Ridge, and Heartland Region priority and objectives to Improve Ridge Lakes and Peace Creek Canal. Providing additional flows will maximize MFL increase in Lake Eva while providing the least potential for nutrient loading to Lake Eva. Subsequently, the objective of this project is the protection and enhancement of water quality through stormwater treatment as well as enhancement and restoration of natural systems and further flood protection. Two main challenges existing in the Peace Creek Canal watershed – nutrient loading from urban runoff and the loss of natural systems, will be addressed through the proposed project by reducing non-point source loading of phosphorus/pollutant nutrients, decreasing nonnative/undesirable species, and increasing native aquatic and upland vegetation.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	253,500	402,500	2,500,400	625,100	3,781,500
District Share	253,500	402,500	1,838,000	459,500	2,953,500
Total	**507,000**	**805,000**	**4,338,400**	**1,084,600**	**6,735,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Preliminary Lake Eva Rapid Infiltration Basin Design and Third Party Review	5/1/23
Final Lake Eva Rapid Infiltration Basin Design and Permitting	12/1/23
Completion of Lake Eva Rapid Infiltration Basin Construction	12/31/24

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Irrigation System Evaluation Program - Phase 8

Project Number: Q371

Cooperator: Polk County Utilities

Contact Person: Jacqueline Hollister

Department:

Address: 1011 Jim Keene Blvd.

Phone #: 8632984236

City State Zip: Winter Haven, FL 33880

Ext:

Email: JacquelineHollister@polk-county.net

Project Type:

Water Supply

Strategic Initiatives:

Conservation

Project Description/Benefit/Cost

Description:

This PROJECT will continue the highly successful irrigation evaluation program between cooperating utilities within the political boundaries of Polk County. Evaluations will be made available free of charge to single families and commercial accounts. This is a labor-only project. Hardware (timers, rain sensors and indoor conservation kits) will be funded separately. The Cooperator shall provide program administration and 3rd party contracts to assist with promotion and implementation. Cooperator’s share of the costs will be covered by the subject customer's water supply utility. The PROJECT will consist of 1) free irrigation system evaluations for high water users; 2) free "smart" timer installation and proper instruction for high water users; 3) free rain sensor installations with no irrigation use minimum. High water use is considered to be 14,000 gallons per month averaged over the past 3 months and a 12-month location history of water use. Evaluations with be performed with recommendations for optimizing the use of water by Florida-Friendly Landscape™ and other efficient irrigation best management practices. The COOPERATOR shall ensure that a minimum of 10% of the completed evaluations will have follow-up evaluations performed. The final report will include comparison of 12 months of water consumption pre- and post- evaluation between locations receiving evaluations, evaluations + rain sensors, and evaluations + evapo-transpiration controllers.

Benefit:

The project will directly conserve an estimated 30,951 gallons of water per day according to the CFI Conservation Calculator, at a total project cost of $145,000. Indirectly, this education program has more far-reaching effects as neighborhoods and property managers become involved and our customers become more educated on water issues in our area.

Cost:

The expected cost for this program is estimated at $145,000.
Cost Effectiveness approximately $2.51

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The Polk County Building Department enforces the guidelines established for municipalities in the 1994 Standard Plumbing Code (amended by County Ordinance No. 98-02). The Polk County Comprehensive Plan states that water conserving plumbing fixtures and landscape ordinances will be investigated to amend the Building Code, as outlined by F.S. 373.0391. The County promotes Florida-Friendly landscaping, as in F.S. 166.048 and promotes the use of drought-tolerant native vegetation for municipalities and its residents in its Comprehensive Plan, Conservation Element, and by amendment LDC2003T-11 to the Land Development Code, 10/15/2003. Ordinance 04-09 refined the LDC, specifically, Chapter 7, Section 720, by addressing specific landscape planting requirements primarily for commercial
property/development. Section 720 was revised again on 01/03/05 by Ordinance 04-80 to establish specific buffer matrixes including trees. Polk County has adopted a Flood Plain Ordinance (No. 00-009 Land Development Code) as required to participate in the National Flood Insurance Program (NFIP) administered through the Federal Emergency Management Act (FEMA). All development is required to receive the proper building and site alteration permits. All new structures are required to be placed above the base flood elevation (when the base flood elevation is known). We are also a participant in FEMA's Community Rating System and have received a class 7 rating.
Polk County Ordinance No. 03-021 requires all new developments served by a wastewater treatment system that produces public access quality reclaimed water to install internal reuse distribution systems and to tie in when reclaimed water becomes available. The Ordinance prohibits the use of potable water for irrigation once reclaimed water becomes available at a particular location. Polk County's Year Round Water Conservation Measures and Water Shortage Ordinance (No. 04-07), approved on February 18, 2004, allows for improved enforcement of watering restrictions as set by the District and allows for localized limits on the use of

reclaimed water to be the same as irrigation standards for potable water. This ordinance authorizes representatives of any agency from within Polk County to levy fines for violations and Amendment 09-050, effective 8/1/09, established a more progressive fine structure to curb repeat violations and to aggressively address Gross Water Waste. These cases are managed by a Codes Enforcement Officer position funded by Utilities with supplemental enforcement provided by Environmental Deputies from the Polk County Sheriff's Office and are presided over by the Polk County Code Enforcement Special Magistrate. Last year we issued 139 fines and 488 courtesy letters.
The PCU Water Conservation Program Manual provides educational, regulatory, financial and operational measures for encouraging water conservation throughout our service areas. Any measures unique to a particular regional utility service area in unincorporated Polk County are also addressed. Polk County is an active member of the Polk Regional Water Cooperative. The organization’s purpose is to conserve traditional groundwater sources by implementing alternative water supply and by conservation education and implementation programs.
Polk County is actively investigating adoption of a Florida Water Star ordinance (or equivalent) to help curb outdoor irrigation use.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	0	72,500	0	72,500
District Share	0	0	145,000	0	145,000
Total	**0**	**0**	**217,500**	**0**	**217,500**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Begin advertising and implementation	10/1/23
Savings analysis begins	12/29/24
Savings Analysis ends, Draft final report due	3/31/26
Savings Analysis ends, Draft final report due	6/30/26
Final Report due	7/30/26

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Lake Bonny Island Wetland Restoration

Project Number: Q372

Cooperator: City of Lakeland

Contact Person: Laurie Smith

Department:

Address: 407 Fairway Avenue

Phone #: 8638346276

City State Zip: Lakeland, fl 33801

Ext:

Email: laurie.smith@lakelandgov.net

Project Type:

Natural Systems

Strategic Initiatives:

Natural Systems Conservation and Restoration

Project Description/Benefit/Cost

Description:

This multi-year project includes the natural system restoration and in-lake water quality improvement within Lake Bonny (WBID 1497E), a nutrient-impaired waterbody, that is hydrologically connected to the headwaters of SWIM priority waterbody, Charlotte Harbor. A TMDL has been developed for Lake Bonny which identified both external and in-lake processes as potential factors to implement water quality restoration projects to achieve the required nutrient load reductions (FDEP 2014). The approximately 65-acre Lake Bonny “Island” feature is comprised predominantly of nuisance exotic vegetation providing reduced habitat function and water quality treatment. The natural system restoration would include the removal of nuisance exotic and invasive vegetation and replanting of native, beneficial vegetation including the enhancement of the aquatic zone, expansion of the herbaceous zone and reduction of the shrub community. The proposed nutrient reduction would be improved through hydrologic modification by way of recirculating device(s) to increase the magnitude and duration of lake-water contact along the edge and interior of the wetland feature. An initial site-evaluation and pollutant removal estimate indicates the project benefit would enhance/restore the aquatic zone (21.5-acre), enhance/expand the herbaceous zone (31.3-acre) and enhance/reduce of the shrub area (9.8-acre) communities. The water quality benefit could exceed an annual removal of 250 lb of total nitrogen and 6.5 lb. of total phosphorus. The FY2024 funding request for Year 1 is nuisance exotic and invasive vegetation removal (on 65-acres) and planting of beneficial, native vegetation (on 19-acres).

Benefit:

The contractual measurable benefit will be completion of nuisance exotic and invasive vegetation removal within 67-acre and planting of beneficial, native vegetation (on 20-acres). The wetland creation area will be comprised of aquatic zone (6.5-acre), herbaceous (9.5-acre), and shrub (3-acre). The project benefits will include the reestablishment of native beneficial wetland and aquatic vegetation, resulting in improved nutrient uptake processes benefiting water quality and enhanced natural habitat for fish and other wildlife species at Lake Bonny.

Cost:

Total Project Cost: $453,000 (Vegetation Removal, Vegetation Planting)
City of Lakeland Share: $130,000-Vegetation Removal; $96,500- Planting
District Share: $130,000 -Vegetation Removal; $96,500- Planting

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The City of Lakeland Lakes and Stormwater Division has dedicated staff and equipment for implementation of ongoing, routine vegetation management including the exotic removal/treatment in both aquatic, wetland and upland systems.

The City of Lakeland completed a “Water Quality Management Plan” in 2019 which documents Lake Bonny water quality status and trends, identifies the importance of both internal and external nutrient loads for water quality restoration success and outlines potential projects for restoration. This project was included in the WQMP for consideration.

The City of Lakeland completed a conceptual design and pollutant removal evaluation to assess the potential water quality improvement anticipated if project is implemented as recommended in the City of Lakeland Water Quality Management Plan.

City programs and recent projects to improve Lake Bonny water quality include:
• Stormwater conveyance ditch improvement and west shore wetland rehydration project completed July 2022
• Stormwater best management practices retrofit project including installation of pollution control device and bioactivated media

trench emplacement at major outfall on the southwest side of the lake
• Street Sweeping
• City has an active stormwater utility fee
• City participates in stormwater maintenance program
• City implements active education program

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	0	226,500	0	226,500
District Share	0	0	226,500	0	226,500
Total	**0**	**0**	**453,000**	**0**	**453,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Exotic/Invasive Vegetation Removal	8/29/24

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Lake Hancock Watershed Management Plan

Project Number: Q373

Cooperator: Polk County Natural Resources

Contact Person: Greg Knothe

Department:

Address: 4177 Ben Durrance Rd

Phone #: 8635347377

City State Zip: Bartow, FL 33830

Ext: 252

Email: gregknothe@polk-county.net

Project Type:

Flood Protection, Water Quality

Strategic Initiatives:

Floodplain Management

Water Quality Maintenance and Improvement

Project Description/Benefit/Cost

Description:

This project is to perform 1) Watershed Evaluation, and 2) Watershed Management Plan elements of the District's Watershed Management Program (WMP); 3) Alternatives Analysis for flood mitigation and Surface Water Resource Assessment for the Lake Hancock Basin in Polk County. This watershed is roughly 153 square miles and is depicted on the attached Watershed Map. This project will utilize ICPR v4 model, an update from the previous study using ICPR v3. Additionally, the project will utilize recently updated LIDAR and SWFWMD LULC data. The effective date of the existing model is 2006, therefore, an update to the model is necessary to reflect the new growth and development in this watershed. Additionally, the previous study focused primarily on Lake Hancock in relation to lake level modifications, this study will take a broader view at the basin.

The purpose of this study is to determine floodplain delineation resulting from a 100-year storm frequency rainfall event, flood mitigation alternatives and for water quality improvement analysis. The watersheds consist primarily of mixed residential areas, with commercial/industrial development and agricultural lands and has existing flooding problems and is a flood prone watershed identified by Polk County. Given the known flooding that was already in existence and now with the extensive development it is critical to update flood stages to reflect this more developed watershed as well as to propose flood mitigation alternatives and water quality assessment for the older portions. The flood mitigation alternatives analysis will provide cost/benefit options for reduction in flood stages in flood prone areas. County may also use this information to update FEMA FIRM Maps.

This project completes a Surface Water Resource Assessment (SWRA) and Water Quality BMP (Best Management Practices) Alternatives Analysis for the project area to identify Water Quality improvement options. The principal product of this Water Quality task will be guidance on pollutant load reduction strategies within the project watershed, including structural, non-structural or natural systems BMPs to improve water quality within the project waterbodies and receiving waters. Guidance will include BMP cost effectiveness estimates, but in highly developed areas may preferentially focus on Low Impact Development (LID) retrofits. Water Quality benefits will also be incorporated in the Flood Alternatives Assessment.

Benefit:

Watershed model and floodplain analysis and cost effective flood mitigation alternatives provide information that is critical to better identify risk of flood damage and cost effective flood mitigation alternatives as well as for planning and future development. Currently, flood analysis models are not available and are outdated. This watershed include regional or intermediate stormwater systems. Resource benefit includes analysis of flooding and water quality problems that exist in the watershed. The study also assists in obtaining lower ranking in the FEMA CRS which may lead to lower flood insurance premiums. This study was performed in ICPR v3 and will be updated to the latest ICPR v4.

The Water Quality tasks will represent findings as a prioritized list of financially feasible or practically feasible in the event of LID applications watershed specific pollutant load reduction strategies to improve water quality within the project watershed and receiving waters. It is the County's intent to use the resulting guidance to support water quality improvements in the project watershed, including the incorporation of water quality improvements in flood protection projects. Proposed BMPs will be prioritized on measurable benefits, resilience factors and cost effectiveness.

Cost:

Total project cost: $2,500,000. Polk County Cost of $1,250,000, with $750,000 coming from outside funding. District Cost of $1,250,000. Additionally, the City of Lakeland has agreed to partner on this project since a majority of the city falls within the project boundary. Cost was estimated based on ongoing Watershed Management Plans and assistance from SWFWMD staff on a per square mile basis for the Watershed Evaluation, Floodplain Analysis, and Alternatives Analysis in the 153 square mile

watershed.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

Polk County has numerous programs and ordinances that address water quality and stormwater management, flood protection, habitat protection and improvement, water supply and conservation, and related water resource issues. Many of these programs are made possible by a dedicated source of funding – a Municipal Service Taxing Unit (MSTU) that was adopted in 2013 specifically for water resources activities.

Primary among these programs is the County's NPDES Municipal Separate Stormwater System (MS4) permit. Elements of permit compliance include development and periodic evaluation of a surface water management plan, water quality monitoring of priority Total Maximum Daily Load (TMDL) water bodies, a stormwater facilities inventory and inspection program, illicit discharge and erosion control inspections and education, and annual reporting to DEP, among other features.

In 2013 the county adopted a fertilizer management ordinance (#13-005) that provides guidelines for fertilizer application quantities and timing. Since 2013 the county has implemented a street sweeping program that provides for monthly mechanical sweeping of 360 curb miles of paved roads, mainly in high priority TMDL watersheds.

Active since 1985, our ambient water quality program takes quarterly samples from 108 lake (including Lake Annie) and 26 stream sites. Nutrients, metals, typical wet chemistry, bacteria, and field parameters are assessed. All data are uploaded to the DEP database.

The county's Circle B Bar Reserve hosts numerous educational events that inform children, students, and adults about local natural resources. Opportunities range from self-guided tours to large all-day events including 1,000 or more participants.

The county is a major cooperator and funding source to the Lake Action / Education Drive, a non-profit public education group. County staff serve on the LE/AD Board of Directors. We also work closely with the County Extension Service for public education and outreach activities. The county organizes the annual "Seven Rivers Water Festival," a public education event that showcases all things water resource. The county also cooperates with, and funds, the Florida Friendly Yards program through IFAS's Extension Service.

The county's Comprehensive Plan (Comp Plan) and Land Development Code (LDC) include numerous sections addressing water resource issues, including the following.

- Polk County Comp Plan (Ordinance 92-36)
  - Section 3.104 Stormwater Management – recommends prioritizing flood and water quality problem areas
  - Section 2.305 Surface Water – compares pre-and post-development peak discharges and volumes
  - Section 2.306 Groundwater
  - Section 2.307 Floodplains
  - Section 2.308 Wetlands
  - Section 2.309 Ecological Communities
- Polk County LDC (Ordinance 00-09)
  - Section 610 Surface Water Protection
  - Section 620 Wetlands Protection
  - Section 703 Concurrency – Stormwater
  - Section 720 Landscaping - includes language for Florida Yards and Neighborhoods and Low Impact Development
  - Section 740 Stormwater Management – reduces exemptions from regulations

The Polk County Comp Plan states that water conserving plumbing fixtures and landscape features should be included in the Building Code. Ordinance No. 03-021 requires all new developments served by a wastewater system that produces public access quality reclaimed water to install and use reuse distribution. Polk County's Year Round Water Conservation Measures and Water Shortage Ordinance (No. 04-07), allows for improved enforcement of watering restrictions and allows for limits on the use of reclaimed water. Finally, the county's Utilities Department Water Conservation Program Manual provides educational, regulatory, financial and operational measures for encouraging water conservation throughout our service areas.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	0	250,000	250,000	500,000
District Share	0	0	250,000	1,000,000	1,250,000
Outside Funding	0	0	0	750,000	750,000
Total	**0**	**0**	**500,000**	**2,000,000**	**2,500,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Project Development	6/1/24
Watershed Evaluation	12/31/24
Floodplain Analysis	12/31/25
Surface Water Resource Assessment	12/31/26
Alternative Analysis	12/31/28
Complete the following analyses, watershed, floodplain, surface water resources, and alternatives.	12/31/28

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Lake Parker Shoreline Restoration

Project Number: Q375

Cooperator: City of Lakeland

Contact Person: Laurie Smith

Department:

Address: 407 Fairway Avenue

Phone #: 8638346276

City State Zip: Lakeland, FL 33801

Ext:

Email: laurie.smith@lakelandgov.net

Project Type:

Natural Systems

Strategic Initiatives:

Natural Systems Conservation and Restoration

Project Description/Benefit/Cost

Description:

This multi-year project proposes the reestablishment and enhancement of wetlands impacted by historic phosphate mining activities that eliminated the natural littoral shelf, eradicated fringe wetlands, and created steep sided slopes at the water's edge. Potential project components include
1) shoreline restoration, 2) wetland restoration and 3) wetland creation along the shoreline of nutrient-impaired Lake Parker, at the headwaters to SWIM priority waterbody, Charlotte Harbor. If constructed, approximately 5,500-linear feet of the Lake Parker shoreline would have enhanced/restored aquatic and littoral communities with habitat restoration extending up-gradient within the forested palustrine and herbaceous-upland areas (~1.6 acres). Additionally, a 1-acre water quality flow-through system is proposed within an existing flood compensation area. The FY2024 funding request for Year 1 is the removal of herbaceous and shrub nuisance invasive and exotic vegetation to occur in concert with the City of Lakeland design and permitting of the proposed restoration activities.

Benefit:

The contractual measurable benefit will be completion of initial herbicide treatment and removal of herbaceous and shrub nuisance invasive and exotics within the proposed project boundary. The project benefits will include the restoration of the natural shoreline and littoral shelf and reestablishment of native, beneficial wetland and aquatic vegetation. These activities will enhance the natural nutrient uptake processes benefiting water quality but will also enhance the natural habitat for fish and other wildlife species at Lake Parker.

Cost:

Total Project Cost: $ 64,000 (Exotic/Nuisance Vegetation Removal)
City of Lakeland Share: $32,000
District Share: $32,000

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The City of Lakeland Lakes and Stormwater Division has dedicated staff and equipment for implementation of ongoing, routine vegetation management including the exotic removal/treatment in both aquatic, wetland and upland systems.

The City of Lakeland completed a "Water Quality Management Plan" in 2019 which documents Lake Parker water quality status and trends, identifies the importance of both internal and external nutrient loads for water quality restoration success and outlines potential projects for restoration. This project was included in the WQMP for consideration.

The City of Lakeland Lakes and Stormwater Division completed an initial review of the proposed site to identify the potential for habitat enhancement and collaboration with FWC. The conceptual design is provided as an attachment.

The City of Lakeland is coordinating with co-applicant, Florida Fish and Wildlife Commission (FWC) staff within both the Tenoroc Fish Management Area and Aquatic Habitat Conservation and Restoration groups for project refinement and meeting agency priorities.

The City of Lakeland Parks and Recreation Department is developing active and passive recreational activities adjacent to the proposed project area so there will be good exposure to the project educational signage which highlights the importance of these habitat types and acknowledges the District's funding contribution

A land management plan has been developed for the portion of the project owned by FWC (co-applicant).

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	0	32,000	0	32,000
District Share	0	0	32,000	0	32,000
Total	**0**	**0**	**64,000**	**0**	**64,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Exotic/Nuisance Vegetation Removal	8/27/24

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Pompano Dr - Carter Creek Watershed BMP Site 4

Project Number: Q384

Cooperator: Highlands County

Contact Person: Clinton Howerton Jr., P.E.

Department:

Address: 505 S Commerce Ave

Phone #: 8634026877

City State Zip: Sebring, FL 33870

Ext: 6875

Email: chowerton@highlandsfl.gov

Project Type:

Flood Protection, Natural Systems

Strategic Initiatives:

Floodplain Management

Natural Systems Conservation and Restoration

Project Description/Benefit/Cost

Description:

Potential BMP Sites (Geosyntec, August 2021) memorandum, BMP Site 4 includes King Drive, Pompano Drive, and Memorial Drive. Pompano Dr and Memorial Dr are County maintained local and major collector roads, respectively. The road and structures along Pompano Dr are on the north side of the outfall ditch that drain from a natural freshwater marsh to Lake Sebring. The ditch crosses under Memorial Dr through a 36” RCP culvert. From review of the model and considering the large contributing area from the freshwater marsh to Lake Sebring, the 36” RCP culvert crossing Memorial Dr appears to be undersized, causing water to back up onto Pompano Dr and surrounding properties during design storm events. King Dr is a County maintained local street on the west side of an outfall ditch. A 14”x23” ERCP culvert crosses under King Dr discharging to an existing wetland north of Lake Sebring through the ditch and a culvert. The main source of King Dr flooding is the overwhelmed roadway culvert causing water to back up onto King Dr. local and major collector roads. Based on existing conditions model results, flood depths exceed the finish floor elevation for four (4) structures along Pompano Dr (subbasin H4200) for the 100 yr storm event. Maximum flood depth (100 yr event) for the structure with the lowest finish floor elevation is 1.3 ft. Additionally, the maximum flood depth (10 yr event) for the lowest point of the road on Pompano Dr is 1.7 ft with a flooding elevation of 111.23 ft. Maximum flood depth (50 yr event) for the lowest point of the road on Memorial Dr is 1 ft with a flooding elevation of 111.29 ft. Also, maximum flood depth (10 yr event) for the lowest point of the road on King Dr is 0.5 ft with a flooding elevation of 110.4 ft. Site 4, Alternative 1consists of improving the existing culvert at Memorial Dr and widening the existing ditch to provide more flood storage. Culverts along the ditch between King Dr and Memorial Dr would also be improved to reduce King Dr flooding. Based on the Alternative 1 model results, this would lower peak stages at focus areas, eliminating structure flooding for all the flooded structures through the 100 yr storm event. Road flooding would be eliminated on Memorial Dr and King Dr through the 100 yr storm event. Road flooding on Pompano Dr is eliminated through the 50 yr storm event. Flooding depth for the 100 yr storm event on Pompano Dr would be reduced from 1.9 ft to 0.4 ft. It should be noted downstream nodes H9000 (representing Lake Sebring) and H2400 (representing wetlands north of Lake Sebring) did not indicate an increase in peak stages during design storm events after Alternative 1 improvements showing the improvements would not cause a flooding issue at the downstream nodes. Land acquisition is not anticipated for Alternative 1 since only the main channel width increased within an existing County property. No new impervious area is anticipated. This alternative is considered to have a negligible effect on water quality. An ecological survey is recommended during design to evaluate potential impacts.

Benefit:

Based on the methodology used in the LOS Analysis Report, the proposed alternative would reduce the total expected annual damage by approximately $221,000. The BCR for this alternative is 8.48.

Cost:

The estimated cost for this alternative is $411,454

.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

As part of the Carter Creek Watershed Project, a comprehensive watershed study was completed by Geosyntec Consultants who prepared a Best Management Practice Alternatives Analysis Report in December 2021.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	66,861	36,003	0	102,864

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
District Share	0	200,584	108,006	0	308,590
Total	**0**	**267,445**	**144,009**	**0**	**411,454**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Design	6/6/23
Permitting	8/3/23
Request for bids (RFB) advertisement & award	12/1/23
Construction	12/2/24

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: PRWC Regional Transmission Southeast Phase 1

Project Number: Q216

Cooperator: Polk Regional Water Cooperative

Contact Person: Kathleen Gierok

Department:

Address: 601 S. Lake Destiny Drive, Suite 290

Phone #: 4077102840

City State Zip: Maitland, FL 32751

Ext:

Email: kathleen.gierok@wright-pierce.com

Project Type:

Water Supply

Strategic Initiatives:

Alternative Water Supply

Project Description/Benefit/Cost

Description:

The member governments in the Polk Regional Water Cooperative (PRWC) are facing an estimated water deficit of 9.8 million gallons per day (MGD) by the year 2030 and an estimated 23.0 MGD deficit in 2045. For the past four years, the PRWC has been actively developing alternative water supply sources to augment its traditional water supply source, the upper Floridan aquifer. The PRWC developed a preliminary planning-level document prioritizing five "nominated" alternative water supply projects including the Southeast lower Floridan aquifer (LFA) Wellfield (SE), West Polk LFA Wellfield (WP), Peace Creek (PC), Peace River and Land Use Transitions (PR), and Alafia River (AR) projects through cooperative funding agreements N447 and N448. Of these projects, the PRWC has developed planning-level and/or preliminary design documents for the four candidate projects: the SE, WP, PC, and PR projects. These efforts were completed through the Phase 1 Combined Projects Implementation Agreement, which was cooperatively funded with the SWFWMD as follows:
1. Southeast Wellfield (N905) - includes conceptual and preliminary design
2. West Polk Lower Floridan Aquifer (N882) - includes conceptual and preliminary design
3. Peace Creek Integrated Water Supply Plan (N928) - includes preliminary design and integrated water supply plan
4. Peace River and Land Use Transitions (Q133) - includes conceptual planning and water supply availability

The SE and WP projects will be included in the Final Design and Construction Implementation Agreements, which include design and construction based on the preliminary design performed in Phase 1. The PRWC has identified the final design and construction phasing for these projects and is requesting funding assistance in support of the final design and construction of the SE project. The SE project is located in the southeast portion of Polk County, located east of Lake Wales. The PRWC has obtained a Water Use Permit (WUP 53-00293-W) from the SFWMD for a groundwater withdrawal of 37.5 MGD. This permit would support a master planned finished water capacity of 30 MGD.

The PRWC has completed the conceptual and preliminary design for the SE project. The SE preliminary design includes a 7.5 MGD reverse osmosis water production facility (WPF) and transmission system to PRWC member utilities with a buildout capacity of 12.5 MGD. This funding application includes the development of the finished water regional transmission system to PRWC participating members. This project was approved for final design and construction CFI funding starting in FY 2022. Additional funding requested under this application would build upon the previous funding efforts (Q216). The project will result in the delivery of up to 15 MGD of finished water from an alternative water supply from the SE Water Production Facility (SE WPF) to participating project members. The SE Wellfield (WPF) Implementation will be developed as a companion project (Q184).

Benefit:

Water obtained from this alternative supply project will be used by PRWC project partners to reduce stress on the upper Floridan aquifer (UFA). The project will improve surface waters and wetlands currently impacted by withdrawals from the UFA. The project was also identified within the CFWI 2020 regional water supply plan as a potential future water supply solution.

Cost:

The projected costs for the PRWC Regional Transmission Southeast project are outlined below. These costs represent design, engineering, administration, CMAR services, construction, construction engineering, and post-construction services. Costs for the first phase of the project have been apportioned into FY 2022 through FY 2026. These costs represent the total eligible costs to be cooperatively funded by the District. This excludes inflationary cost increases, land, and legal fees/financial services. It is anticipated that the District would provide funding for 50% of the costs presented below, except as noted as "third-party funding". As this project moves forward, subsequent CFI applications will be provided through the same funding agreement.

Fiscal Year 2022 - (SWFWMD and PRWC) - $4,950,000
Fiscal Year 2022 (Third-Party) - $4,950,000
Fiscal Year 2023 - $6,876,974
Fiscal Year 2024 - $18,600,000
Fiscal Year 2025 - $61,209,692
Fiscal Year 2026 - $60,389,333
Future Costs - $0
Total - $156,976,000

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The PRWC and its members are considering a mix of activities to achieve compliance with the guidelines set forth by the CFWI. The members provide information on their individual water conservation programs through their individual water use permitting. The PRWC has previously partnered with SWFWMD and IFAS to develop a demand management plan to provide water conservation strategies throughout Polk County. The PRWC continues to work with its members on ways for the members to individually and collectively implement effective water conservation strategies and programs. This mix of activities being considered include but are not limited to conservation efforts to be achieved by rates, Water Star, and incentive programs along with more holistic approaches to save water. Another way that the use of potable water can be offset is by the more effective use of highly treated wastewater (reuse water).

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	2,475,000	3,438,487	9,300,000	60,799,513	76,013,000
District Share	2,475,000	3,438,487	9,300,000	60,799,513	76,013,000
FDEP	4,950,000	0	0	0	4,950,000
Total	**9,900,000**	**6,876,974**	**18,600,000**	**121,599,026**	**156,976,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

CMAR Pre-Construction Services	10/31/24
Design and Permitting	10/31/24
Construction and Construction Engineering Complete	12/31/26
As-Built Survey, Record Drawings, Asset Management Plan, and Operating Protocol	6/1/27

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: PRWC Southeast Wellfield Implementation

Project Number: Q184

Cooperator: Polk Regional Water Cooperative

Contact Person: Kathleen Gierok

Department:

Address: 601 S. Lake Destiny Drive, Suite 290

Phone #: 4077102840

City State Zip: Maitland, FL 32751

Ext:

Email: kathleen.gierok@wright-pierce.com

Project Type:

Water Supply

Strategic Initiatives:

Alternative Water Supply

Project Description/Benefit/Cost

Description:

The member governments in the Polk Regional Water Cooperative (PRWC) are facing an estimated water deficit of 9.8 million gallons per day (MGD) by the year 2030 and an estimated 23.0 MGD deficit in 2045. For the past four years, the PRWC has been actively developing alternative water supply sources to augment its traditional water supply source, the upper Floridan aquifer. The PRWC developed a preliminary planning-level document prioritizing five "nominated" alternative water supply projects including the Southeast lower Floridan aquifer (LFA) Wellfield (SE), West Polk LFA Wellfield (WP), Peace Creek (PC), Peace River and Land Use Transitions (PR), and Alafia River (AR) projects through cooperative funding agreements N447 and N448. Of these projects, the PRWC has developed planning-level and/or preliminary design documents for the four candidate projects: the SE, WP, PC, and PR projects. These efforts were completed through the Phase 1 Combined Projects Implementation Agreement, which was cooperatively funded with the SWFWMD as follows:
1. Southeast Wellfield (N905) - includes conceptual and preliminary design
2. West Polk Lower Floridan Aquifer (N882) - includes conceptual and preliminary design
3. Peace Creek Integrated Water Supply Plan (N928) - includes preliminary design and integrated water supply plan
4. Peace River and Land Use Transitions (Q133) - includes conceptual planning and water supply availability

The SE and WP projects will be included in the Final Design and Construction Implementation Agreements, which include design and construction based on the preliminary design performed in Phase 1. The PRWC has identified the final design and construction phasing for these projects and is requesting funding assistance in support of the of the development of the SE Wellfield Water Production Facility (SE WPF). The SE WPF will be located in the southeast portion of Polk County, located east of Lake Wales. The PRWC has obtained a Water Use Permit (WUP 53-00293-W) from the SFWMD for a groundwater withdrawal of 37.5 MGD. This permit would support a master planned finished water capacity of 30 MGD.

This funding application includes the development of a water production facility with a capacity of 12.5 MGD to be expanded in three phases with an initial phased capacity of 7.5 MGD. The PRWC has completed the conceptual and preliminary design for the SE project. The SE preliminary design includes a 7.5 MGD reverse osmosis water production facility (WPF) and transmission system (funded separately) to PRWC member utilities with a buildout capacity of 12.5 MGD. This project was approved for final design and construction CFI funding starting in FY 2022. Additional funding requested under this application would build upon the previous funding efforts (Q184). This funding request includes the final design and construction of the Southeast Wellfield WPF, wellfield and raw water transmission main to the WPF, and concentrate disposal well(s) for FY 2024. The project will provide alternative water supply for participating members of the PRWC, which will be delivered by a regional finished water transmission system as a companion project (Q216).

Benefit:

Water obtained from this alternative supply project will be used by PRWC project partners to reduce stress on the upper Floridan aquifer (UFA). The project will improve surface waters and wetlands currently impacted by withdrawals from the UFA. The project was also identified within the CFWI 2020 regional water supply plan as a potential future water supply solution.

Cost:

The projected costs for the SE Wellfield (WPF) Implementation project are outlined below. These costs represent design, engineering, administration, CMAR services, construction, construction engineering, post-construction services, future planning and future phase costs. Costs for the first phase of the project have been apportioned into FY 2022 through FY 2026. Costs for the remaining phases of the project through buildout have been apportioned as "Future Costs". These costs represent the total eligible costs to be cooperatively funded by the District. This excludes inflationary cost increases, land, legal fees/financial

services, and exploratory Test Projection Well #3 costs. It is anticipated that the District would provide funding for 50% of the costs presented below, except as noted as "third-party funding". As this project moves forward, subsequent CFI applications will be provided through the same funding agreement. A breakdown of the individual component costs is attached in the document section.

Fiscal Year 2022 (SWFWMD and PRWC) - $6,750,000
Fiscal Year 2022 (Third-Party Funding) - $6,750,000
Fiscal Year 2023 - $4,719,974
Fiscal Year 2024 - $18,200,000
Fiscal Year 2025 - $72,667,063
Fiscal Year 2026 - $76,209,630
Future Costs - $43,333,333
Total - $228,630,000

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

The PRWC and its members are considering a mix of activities to achieve compliance with the guidelines set forth by the CFWI. The members provide information on their individual water conservation programs through their individual water use permitting. The PRWC has previously partnered with SWFWMD and IFAS to develop a demand management plan to provide water conservation strategies throughout Polk County. The PRWC continues to work with its members on ways for the members to individually and collectively implement effective water conservation strategies and programs. This mix of activities being considered include but are not limited to conservation efforts to be achieved by rates, Water Star, and incentive programs along with more holistic approaches to save water. Another way that the use of potable water can be offset is by the more effective use of highly treated wastewater (reuse water).

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	3,375,000	2,359,987	9,100,000	96,105,013	110,940,000
District Share	3,375,000	2,359,987	9,100,000	96,105,013	110,940,000
FDEP	6,750,000	0	0	0	6,750,000
Total	**13,500,000**	**4,719,974**	**18,200,000**	**192,210,026**	**228,630,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

CMAR Preconstruction Services, Construction Bidding, and Award of Contracts	9/1/24
Design and Permitting	10/31/24
Construction and Construction Engineering Complete	12/31/26
As-Built Survey, Record Drawings, Asset Management Plan, and Operating Protocol	6/1/27
Project Buildout Implementation Budget	9/30/40

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: South of Lake Lotela - Carter Creek Watershed BMP Site 6

Project Number: Q386

Cooperator: Highlands County

Contact Person: Clinton Howerton Jr., P.E.

Department:

Address: 505 S Commerce Ave

Phone #: 8634026877

City State Zip: Sebring, FL 33870

Ext: 6875

Email: chowerton@highlandsfl.gov

Project Type:

Flood Protection, Natural Systems

Strategic Initiatives:

Floodplain Management

Natural Systems Conservation and Restoration

Project Description/Benefit/Cost

Description:

Potential BMP Sites (Geosyntec, August 2021) memo, BMP Site 6 includes Lake Lotela Drive, a County maintained local street located on the E side of Lake Lotela. Per Highlands County's LOS criteria, the ideal LOS design storm event for local roads is a 10-year storm event. Lake Lotelas level is controlled by a private weir structure SE of the lake near the intersection of Lake Lotela Dr & Hollyhurst Dr. This structure discharges to a ditch draining through a series of culverts under Lake Lotela Dr & within Pinecrest on Lotela Golf Club to Little Bonnet Lake. This location was selected as a BMP site based on County's knowledge of drainage issues in the area. Per County, roadway floods were reported in the area. Structure flooding & drainage issues were reported by residents along Lake Lotela Dr. County stated during storm events causing past flooding, residents removed flashboards on Lake Lotela control structure to lower the lake. Per some residents, additional flow from the lake overwhelmed culverts along the downstream ditch, causing flooding in nearby areas. An existing conditions model assumed flashboards were in place so the model didn't indicate structure flooding at this location. Road flooding did not occur until the 25 yr storm event. Per historical flooding information the model was updated to evaluate these scenarios. Invert of the weir link RK1750A was lowered from 106.49 ft to105.22 per a Highlands County Control Structure document to represent flashboards removed from the weir. Updated model results indicated road flooding at a 10 yr storm event & increase in flood elevation of Lake Lotela Dr for all storm events. Per updated model, no structure flooding is observed for any of the storm events, but yard flooding is observed at some properties. The noted source of Lake Lotela Dr flooding is overwhelmed culverts & ditches causing water to back up on Lake Lotela Dr during design storm events. Per updated model results, maximum flood depth on Lake Lotela Dr for a 10 yr storm event is 1 ft. Site 6, Alternative 2 consists of adjustments to the existing control structure SE of Lake Lotela. Control structure improvements include replacing flashboards on the control structure with concrete weir & installing a 36"x36" sluice gate to relieve high lake stages. The purpose is to provide relief for high lake stages while controlling flow rate from the structure to prevent overwhelming downstream drainage infrastructure. Per Alternative 2 model results, this will lower peak stages at focus areas for all storm events. Maximum flooding depth for Lake Lotela Dr decreased to 0.2 ft for the 10 yr storm event. Downstream nodes NK2700, NL0010, NL0020, NI0200, NM0090, & NM0100 indicated a decrease in peak stages during different design storm events. Nodes NF0700, NK0100, NK0200 and NK1750 indicated an increased maximum stage less than 0.5 ft. Maximum stages are still lower than the roads' lowest points & structures' finish floor elevations & didn't cause flooding in the area. Land acquisition is not anticipated for this alternative. Improvements to the privately owned weir structure are located on a golf course. Land won't be purchased, a necessary easement will be granted by the property owner. No new impervious area is anticipated. No new water quality treatment is proposed. This alternative is considered to have a negligible effect on water quality.

Benefit:

Based on the methodology used in the LOS Analysis Report, the proposed alternative would reduce the total expected annual damage by approximately $23,300. The benefit cost ratio for this alternative is 3.4.

Cost:

The estimated cost for the conveyance improvement in this alternative is $104,060.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

As part of the Carter Creek Watershed Project, a comprehensive watershed study was completed by Geosyntec Consultants who prepared a Best Management Practice Alternatives Analysis Report in December 2021.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	16,910	9,105	0	26,015
District Share	0	50,730	27,316	0	78,046
Total	**0**	**67,640**	**36,421**	**0**	**104,061**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Design	7/6/23
Permitting	9/3/23
Request for bids (RFB) advertisement & award	12/1/23
Construction	12/2/24

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Sun 'N Lake boulevard - Carter Creek Watershed BMP Site 2

Project Number: Q388

Cooperator: Highlands County

Contact Person: Clinton Howerton Jr., P.E.

Department:

Address: 505 S Commerce Ave

Phone #: 8634026877

City State Zip: Sebring, FL 33870

Ext: 6875

Email: chowerton@highlandsfl.gov

Project Type:

Flood Protection, Natural Systems

Strategic Initiatives:

Floodplain Management

Natural Systems Conservation and Restoration

Project Description/Benefit/Cost

Description:

Per Potential BMP Sites (Geosyntec, August 2021) memorandum, BMP Site 2 includes the County maintained, Sun ‘N Lake Boulevard and non-County maintained Ponce De Leon Boulevard. Sun ‘N Lake Blvd and Ponce De Leon Blvd are major and minor collector roads, respectively. The north side of Sun ‘N Lake Blvd drains north through culverts and roadside ditches on Ponce De Leon Blvd to a natural wetland. The South side of Sun ‘N Lake Blvd drains south and east through an existing stormsewer pipe to freshwater marshes near US Highway 27. The freshwater marshes drain to Lake Sebring via an existing ditch south of Pompano Drive. From review of the model, it appears that the sources of Sun ‘N Lake Blvd and Ponce De Leon Blvd flooding are predominantly overwhelmed culverts, which causes water to back up onto roads during design storm events starting from mean annual storm event. Site 2, Alternative 1 consists of improving existing culverts along the north and south sides of Sun ‘N Lake Blvd, intersection of Alava Street and Ponce De Leon Blvd, the crossing on the north side of Ponce De Leon Blvd and culverts on the south side of Ponce De Leon Blvd. It should be noted that the downstream nodes did not indicate an increase in peak stages during design storm events after Alternative 1 improvements. This shows that the improvements do not cause a flooding issue at the downstream nodes. Therefore, this alternative is considered to have a negligible effect on water quality. No ecological impacts are expected during design of this alternative.

Benefit:

Based on the methodology used in the LOS Analysis Report, the proposed alternative would reduce the total expected annual damage by approximately $147,000. The BCR for this alternative is 2.17.

Cost:

The estimated cost for this alternative is $1,022,916

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

As part of the Carter Creek Watershed Project, a comprehensive watershed study was completed by Geosyntec Consultants who prepared a Best Management Practice Alternatives Analysis Report in December 2021.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	166,224	89,505	0	255,729
District Share	0	498,672	268,515	0	767,187
Total	**0**	**664,896**	**358,020**	**0**	**1,022,916**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Design	2/6/23
Permitting	4/3/23

FY 2024 Cooperative Funding Initative Application Form

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Request for Bids (RFB) advertisement & award	8/1/23
Construction	12/2/24

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

FY 2024 Cooperative Funding Initative Application Form

Project Name: Water Quality Treatment Improvement - Lake Eva

Project Number: Q393

Cooperator: Polk County

Contact Person: Tabitha Biehl

Department:

Address: 3125 Thornhill Road

Phone #: 8638998157

City State Zip: Winter Haven, FL 33830

Ext:

Email: tabithabiehl@polk-county.net

Project Type:

Water Quality

Strategic Initiatives:

Water Quality Maintenance and Improvement

Project Description/Benefit/Cost

Description:

The Lake Eva watershed (WBID 15101) is located in the North central portion of Polk County, within the limits of Haines City, and has an area of roughly 150 square acres. The proposed Lake Eva stormwater treatment wetland is located on the North West corner of Lake Eva. The new wetland treatment area is designed to treat approximately 117 acres of highly urbanized runoff enter Lake Eva through stormwater pipes. be 145 acres in size. Lake Eva is a ridge lake, that recently had a alternate restoration plan (4e plan) approved by the EPA. The top priorities listed in the plan were to improve water quality in Lake Eva. In addition, the SWFWMD completed a Ridge Lakes Study that identified this project for Lake Eva as a priority. The recommendations from this report stated, "Engineered stormwater BMPs could be used to filter, mitigate, or attenuate the observed direct stormwater outfalls along with fertilizer and shoreline ordinances to address fertilizer runoff and erosion from private lawns. A bathymetry and muck study could be performed to assess potential for water quality improvement through targeted muck removal.
Conversion of septic to sewer within a mile of the lake would benefit the lake since it appears that the lake may be connected to groundwater, which should be confirmed with a groundwater seepage study to assess the magnitude of nutrient load contributions. Public parks along the lake offer unique opportunities for restoration projects, progressive BMPs, and public education.

Following the recommendation of the Ridge Lakes Study; this is a partnership project with the City of Haines City and Polk County. Haines City owns the land, and will maintain the project after construction. Polk County has taken the lead on design and construction of the project. Design of the project has been completed and is ready to construct. The plans include the construction of a tiered stormwater treatment wetland, with biological activated mediums and lakeshore vegetation restoration.

Benefit:

The project will treat a 60" pipe that is discharging 109 acres of downtown Haines City into Lake Eva and will also treat and additional 8 acres of highly urbanizes runoff with no treatment that is currently entering the lake through a 24" pipe. In total the project provides water quality treatment for 117 acres going in to Lake Eva.

Cost:

The estimated cost of construction for the project is $3,000,000. The County would fund $1,5000,000 and ask the District for $1,500,000.

Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

Polk County has numerous programs and ordinances that address water quality and stormwater management, flood protection, habitat protection and improvement, water supply and conservation, and related water resource issues. Many of these programs are made possible by a dedicated source of funding – a Municipal Service Taxing Unit (MSTU) that was adopted in 2013 specifically for water resources activities.

Primary among these programs is the County's NPDES Municipal Separate Stormwater System (MS4) permit. Elements of permit compliance include development and periodic evaluation of a surface water management plan, water quality monitoring of priority Total Maximum Daily Load (TMDL) water bodies, a stormwater facilities inventory and inspection program, illicit discharge and erosion control inspections and education, and annual reporting to DEP, among other features.

In 2013 the county adopted a fertilizer management ordinance (#13-005) that provides guidelines for fertilizer application quantities and timing. Since 2013 the county has implemented a street sweeping program that provides for monthly mechanical sweeping of

360 curb miles of paved roads, mainly in high priority TMDL watersheds.

Active since 1985, our ambient water quality program takes quarterly samples from 108 lake (including Lake Annie) and 26 stream sites. Nutrients, metals, typical wet chemistry, bacteria, and field parameters are assessed. All data are uploaded to the DEP database.

The county remains an active member in both the Tampa Bay and Charlotte Harbor National Estuary Programs and sits on the Technical Advisory, Management, and/or Policy Committees of both organizations.

The county's Circle B Bar Reserve hosts numerous educational events that inform children, students, and adults about local natural resources. Opportunities range from self-guided tours to large all-day events including 1,000 or more participants.

The county is a major cooperator and funding source to the Lake Action / Education Drive, a non-profit public education group. County staff serve on the LE/AD Board of Directors. We also work closely with the County Extension Service for public education and outreach activities.
The county organizes the annual "Seven Rivers Water Festival," a public education event that showcases all things water resource. The county also cooperates with, and funds, the Florida Friendly Yards program through IFAS's Extension Service.

The county's Comprehensive Plan (Comp Plan) and Land Development Code (LDC) include numerous sections addressing water resource issues, including the following.

• Polk County Comp Plan (Ordinance 92-36)
Section 3.104 Stormwater Management – recommends prioritizing flood and water quality problem areas
Section 2.305 Surface Water – compares pre-and post-development peak discharges and volumes
Section 2.306 Groundwater
Section 2.307 Floodplains
Section 2.308 Wetlands
Section 2.309 Ecological Communities
• Polk County LDC (Ordinance 00-09)
Section 610 Surface Water Protection
Section 620 Wetlands Protection
Section 703 Concurrency – Stormwater
Section 720 Landscaping - Florida Yards and Neighborhoods and Low Impact Development
Section 740 Stormwater Management – reduces exemptions from regulations

The Polk County Comp Plan states that water conserving plumbing fixtures and landscape features should be included in the Building Code. Ordinance No. 03-021 requires all new developments served by a wastewater system that produces public access quality reclaimed water to install and use reuse distribution. Polk County's Year Round Water Conservation Measures and Water Shortage Ordinance (No. 04-07), allows for improved enforcement of watering restrictions and allows for limits on the use of reclaimed water.

Funding Source	Prior Funding	FY2023	FY2024	Future Funding	Total Funding
Applicant Share	0	0	1,000,000	1,000,000	2,000,000
District Share	0	0	1,000,000	1,000,000	2,000,000
Total	**0**	**0**	**2,000,000**	**2,000,000**	**4,000,000**

Matching Fund Reduction

☐ Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

Timelines

Bidding and Contract Award	2/29/24
Construction	7/31/25
As-Built Survey & Substantial Completion	10/29/25

The Southwest Florida Water Management District (District) does not discriminate on the basis of disability. This nondiscrimination policy involves every aspect of the District's functions, including access to and participation in the District's programs, services and activities. Anyone requiring reasonable accommodation, or who would like information as to the existence and location of accessible services, activities, and facilities, as provided for in the Americans with Disabilities Act, should contact the Human Resources Office Chief, at 2379 Broad St., Brooksville, FL 34604-6899; telephone (352) 796-7211 or 1-800-423-1476 (FL only), ext. 4747; or email ADACoordinator@WaterMatters.org. If you are hearing or speech impaired, please contact the agency using the Florida Relay Service, 1-800-955-8771 (TDD) or 1-800-955-8770 (Voice). If requested, appropriate auxiliary aids and services will be provided at any public meeting, forum, or event of the District. In the event of a complaint, please follow the grievance procedure located at WaterMatters.org/ADA.